RAW SEQUENCE LISTING
PATENT APPLICATION: US/08/923,138

DATE: 05/29/2003
TIME: 14:45:01

Input Set : A:\Cell48fw.app
Output Set: N:\CRF4\05292003\H923138.raw

```
 3 <110> APPLICANT: KUCHERLAPATI, RAJU
 4        JAKOBOVITS, AYA
 5        KLAPHOLZ, SUE
 6        BRENNER, DANIEL G.
 7        CAPON, DANIEL J.
 9 <120> TITLE OF INVENTION: HUMAN ANTIBODIES DERIVED FROM IMMUNIZED XENOMICE
11 <130> FILE REFERENCE: CELL 4.8 FWC CPA
13 <140> CURRENT APPLICATION NUMBER: 08/923,138
14 <141> CURRENT FILING DATE: 1997-09-16
16 <150> PRIOR APPLICATION NUMBER: 08/430,938
17 <151> PRIOR FILING DATE: 1995-04-27
19 <150> PRIOR APPLICATION NUMBER: 08/234,145
20 <151> PRIOR FILING DATE: 1994-04-28
22 <150> PRIOR APPLICATION NUMBER: 08/112,848
23 <151> PRIOR FILING DATE: 1993-08-27
25 <150> PRIOR APPLICATION NUMBER: 08/031,801
26 <151> PRIOR FILING DATE: 1993-03-15
28 <150> PRIOR APPLICATION NUMBER: 07/919,297
29 <151> PRIOR FILING DATE: 1992-07-24
31 <150> PRIOR APPLICATION NUMBER: 07/610,515
32 <151> PRIOR FILING DATE: 1990-11-08
34 <150> PRIOR APPLICATION NUMBER: 07/466,008
35 <151> PRIOR FILING DATE: 1990-01-12
37 <160> NUMBER OF SEQ ID NOS: 22
39 <170> SOFTWARE: PatentIn Ver. 2.1
41 <210> SEQ ID NO: 1
42 <211> LENGTH: 24
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
49 <400> SEQUENCE: 1
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53 <210> SEQ ID NO: 2
54 <211> LENGTH: 25
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
61 <400> SEQUENCE: 2
62 ccaccatcaa ctgcaagtcc agcca                                      25
65 <210> SEQ ID NO: 3
66 <211> LENGTH: 26
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C--> 14 <141> CURRENT FILING DATE: 1997-09-16

Input Set : A:\Cell48fw.app
Output Set: N:\CRF4\05292003\H923138.raw

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137 <211> LENGTH: 414
138 <212> TYPE: DNA
139 <213> ORGANISM: Homo sapiens
141 <400> SEQUENCE: 8
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143 ggacctggat caggcagtcc ccatcgagag gccttgagtg gctgggaagg acatactaca 120
144 ggtccaagtg gtataatgat tatgcagagt ctgtgaaaag tcgcattacc atcaacccag 180
145 acacatccaa gaaccagttc tccctgcagc tcaactctgt gactcccgag gacacggctg 240
146 tttattactg tacaagagat atagcggcag ctggtaccct ctttgactac tggggccagg 300
147 gaaccctggt caccgtctcc tcagcccaaa cgacaccccc atctgtctat ccactggccc 360
148 ctggatctgc tgcccaaact aactccatgg tgaccctggg atgcctgtca aggg       414
151 <210> SEQ ID NO: 9
152 <211> LENGTH: 43
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 9
157 ctttgactac tggggccaag gaaccctggt caccgtctcc tca                  43
160 <210> SEQ ID NO: 10
161 <211> LENGTH: 21
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 10
166 gggtatagca gcagctggta c                                          21
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 189
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 11
175 aactacttag cttggtacca gcagaaacca ggacagcctc ctaagctgct catttactgg 60
176 gcatctaccc gggaatccgg ggtccctgac cgattcagtg gcagcgggtc tgggacagat 120
177 ttcactctca ccatcagcag cctgcaggct gaagatgtgg cagtttatta ctgtcagcaa 180
178 tattatagt                                                       189
181 <210> SEQ ID NO: 12
182 <211> LENGTH: 351
183 <212> TYPE: DNA
184 <213> ORGANISM: Homo sapiens
186 <400> SEQUENCE: 12
187 aactacttag cttggtacca acagaaacca ggacagcctc ctaaactgct catttactgg 60
188 gcatctaccc gggaatccgg ggtccctgac cgattcagtg gcagcgggtc tgggacagat 120
189 ttcactctca ccatcagcag cctgcaggct gaagatgtgg cactttatta ctgtcaccaa 180
190 tattatagtc ttccgctcac tttcggcgga gggaccaagg tggagatcaa acgaactgtg 240
191 gctgcaccat ctgtcttcat cttcccgcca tctgatgagc agttgaaatc tggatactgc 300
192 ctctgttgtg tgcctgctga ataacttcta tcccagagag gccaaagtac a          351
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 38
197 <212> TYPE: DNA
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 13
201 gctcactttc ggcggaggga ccaaggtgga gatcaaac                        38
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 68 <213> ORGANISM: Artificial Sequence
 70 <220> FEATURE:
 71 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 73 <400> SEQUENCE: 3
 74 gaaacgacac tcacgcagtc tccagc                                        26
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 78 <211> LENGTH: 23
 79 <212> TYPE: DNA
 80 <213> ORGANISM: Artificial Sequence
 82 <220> FEATURE:
 83 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 85 <220> FEATURE:
 86 <221> NAME/KEY: modified_base
 87 <222> LOCATION: (21)
 88 <223> OTHER INFORMATION: Inosine
 90 <400> SEQUENCE: 4
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 96 <212> TYPE: DNA
 97 <213> ORGANISM: Artificial Sequence
 99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
102 <220> FEATURE:
103 <221> NAME/KEY: modified_base
104 <222> LOCATION: (24)
105 <223> OTHER INFORMATION: Inosine
107 <400> SEQUENCE: 5
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113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
119 <400> SEQUENCE: 6
120 ttttctttgt tgccgttggg gtgc                                         24
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124 <211> LENGTH: 259
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 7
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130 ggaactggat caggcagtcc ccatcgagag gccttgagtg gctgggaagg acatactaca 120
131 ggtccaagtg gtataatgat tatgcagtat ctgtgaaaag tcgaataacc atcaacccag 180
132 acacatccaa gaaccagttc tccctgcagc tgaactctgt gactcccgag gacacggctg 240
133 tgtattactg tgcaagaga                                                259
136 <210> SEQ ID NO: 8
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RAW SEQUENCE LISTING   DATE: 05/29/2003
PATENT APPLICATION: US/08/923,138   TIME: 14:45:01

Input Set : A:\Cell48fw.app
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204 <210> SEQ ID NO: 14
205 <211> LENGTH: 302
206 <212> TYPE: DNA
207 <213> ORGANISM: Homo sapiens
209 <400> SEQUENCE: 14
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211 atcaactgca agtccagcca gagtgtttta tacagctcca acaataagaa ctacttagct 120
212 tggtaccagc agaaaccagg acagcctcct aagctgctca tttactgggc atctacccgg 180
213 gaatccgggg tccctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
214 atcagcagcc tgcaggctga agatgtggca gtttattact gtcagcaata ttatagtact 300
215 cc                                                           302
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 442
220 <212> TYPE: DNA
221 <213> ORGANISM: Homo sapiens
223 <400> SEQUENCE: 15
224 accatcaact gcaagtccag ccagagtgtt ttgtacactt ccagcaataa gaactactta 60
225 gcttggtacc agcagaaacc aggacagcct cctaaactac tcatttactg ggcatctacc 120
226 cgggaatccg gggtccctga ccgattcagt ggcagcgggt ctgggacaga tttcactctc 180
227 accatccgca gcctgcaggc tgaagatgtg gcagtttatt actgtcagca atattatact 240
228 attccattca atttcggccc tgggaccaga gtggatatca aacgaactgt ggctgcacca 300
229 tctgtcttca tcttcccgcc atctgatgag cagttgaaat ctggaactgc ctctgttgtg 360
230 tgcctgctga ataacttcta tcccagagag gccaaagtac agtggaaggt ggataacgcc 420
231 ctccaatcgg gttggggaaa aa                                      442
234 <210> SEQ ID NO: 16
235 <211> LENGTH: 38
236 <212> TYPE: DNA
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 16
240 attcactttc ggccctggga ccaaagtgga tatcaaac                      38
243 <210> SEQ ID NO: 17
244 <211> LENGTH: 149
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 17
249 gaactgtggc tgcaccatct gtcttcatct tcccgccatc tgatgagcag ttgaaatctg 60
250 gaactgcctc tgttgtgtgc ctgctgaata acttctatcc cagagaggcc aaagtacagt 120
251 ggaaggtgga taacgccctc caatcgggt                               149
254 <210> SEQ ID NO: 18
255 <211> LENGTH: 259
256 <212> TYPE: DNA
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 18
260 agaccctctc actcacctgt gccatctccg gggacagtgt ctctagcaac agtgctgctt 60
261 ggaactggat caggcagtcc ccatcgagag gccttgagtg ctgggaagg acatactaca 120
262 ggtccaagtg gtataatgat tatgcagtat ctgtgaaaag tcgaataacc atcaacccag 180
263 acacatccaa gaaccagttc tccctgcagc tgaactctgt gactcccgag gacacggctg 240
264 tgtattactg tgcaagaga                                          259
267 <210> SEQ ID NO: 19
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Input Set : **A:\Cell48fw.app**
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268 <211> LENGTH: 400
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270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 19
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274 ggaactggat caggcagtcc ccatcgagag gccttgagtg gctgggaagg acatactaca 120
275 ggtccaagtg gtataatgat tatgcagttt ctgtgaaaag tcgaataacc atcaacccag 180
276 acacatccaa gaaccagttc tccctgcagc tgaactctgt gactcccgag gacacggctg 240
277 tgtattactg tgcaagagat atagcagtgg ctggcgtcct ctttgactgc tggggccagg 300
278 gaaccctggt caccgtctcc tcagggagtg catccgcccc aacccttttc cccctcgtct 360
279 cctgtgagaa ttccccgtcg gatacgagca gcgtggccgt                        400
282 <210> SEQ ID NO: 20
283 <211> LENGTH: 43
284 <212> TYPE: DNA
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 20
288 ctttgactac tggggccaag gaaccctggt caccgtctcc tca                    43
291 <210> SEQ ID NO: 21
292 <211> LENGTH: 15
293 <212> TYPE: DNA
294 <213> ORGANISM: Homo sapiens
296 <400> SEQUENCE: 21
297 tatagcagca gctgg                                                   15
300 <210> SEQ ID NO: 22
301 <211> LENGTH: 77
302 <212> TYPE: DNA
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 22
306 gggagtgcat ccgccccaac ccttttcccc ctcgtctcct gtgagaattc cccgtcggat 60
307 acgagcagcg tggccgt                                                 77
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/08/923,138

DATE: 05/29/2003
TIME: 14:45:02

Input Set : A:\Cell48fw.app
Output Set: N:\CRF4\05292003\H923138.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 21
Seq#:5; N Pos. 24

Input Set : **A:\Cell48fw.app**
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0